



Product Data Sheet

ASMACRYL 47 PRO

Multipurpose Acrylic sealant For Internal Applications

Description: ASMACRYL 47 PRO is a single-component, water-based acrylic sealant designed for interior sealing applications. It is formulated with antifungal additives to help resist mold and fungal growth in sealed joints and gaps. The sealant cures upon exposure to atmospheric conditions, forming a flexible and durable seal.

ASMACRYL 47 PRO offers good adhesion to many common construction materials without the need for a primer, including concrete, stone, marble, and aluminum. It performs particularly well on porous substrates such as brick, concrete, and wood. Once cured, the sealant provides a flexible, long-lasting seal suitable for filling cracks, joints, and gaps in building elements.



KEY PERFORMANCE PROPERTIES

- **Paintable:** Can be painted after curing for a seamless finish.
- **Versatile Use:** Suitable for new construction and repair applications.
- **Color Options:** Available in standard and custom colors.
- **Strong Adhesion:** Excellent primerless adhesion to common building materials.
- **Ready to Use:** Supplied pre-mixed for easy application.
- **Easy Application:** Compatible with standard caulking guns and easy to tool.
- **Low Odor:** Minimal odor during application.
- **Room Temperature Curing:** Cures under normal ambient conditions.
- **Water-Based & Low VOC:** Environmentally friendly formulation.

AREAS OF APPLICATION

- Interior sealing and gap filling in building applications
- Sealing and bonding of ventilation ducts
- Around door and window frames
- Around ventilation grilles
- Joints between soffit and wall
- Low-movement joints
- Crack filling in concrete or plaster
- Antifungal sealing applications
- GI and PI duct joints requiring mold-resistant adhesion

METHOD OF APPLICATION

Joint Configuration: Joint Configuration

The recommended width-to-depth ratio of the joint should be **1:1**. Sealants should be selected and installed in accordance with **ASTM C1193 – Standard Guide for the Use of Joint Sealants**.

Surface Preparation

All joint surfaces must be clean, dry, and free from dust, oil, grease, curing compounds, old sealant, or any contaminants that could affect adhesion. Any existing sealant should be completely removed by mechanical means before application. Masking tape should be applied along the edges of the joint to protect adjacent surfaces and ensure a clean finish.

Joint Backer Rod

For movement joints, a polyethylene backer rod should be inserted into the joint to control the sealant depth and prevent three-sided adhesion, which could affect sealant performance.

Joint Depth

To maintain optimal elastomeric performance, the sealant depth should not exceed half of the joint width. Where necessary, filler boards or backing materials may be used in expansion joints to achieve the correct depth.

Application

ASMACRYL 47 PRO is designed for application using a standard silicone sealant gun. The cartridge nozzle should be cut at an angle to match the required joint width. Apply masking tape on both sides of the joint prior to application. Dispense the sealant evenly into the joint using consistent trigger pressure, occasionally cleaning the nozzle to avoid contamination. For deep joints, apply the sealant in two or more layers to prevent air entrapment. When sealing vertical joints, begin application at the bottom and work upwards to properly support the sealant during application. Remove the masking tape while the sealant is still tacky.

Finishing

Immediately after application, the sealant should be tooled with a rounded spatula or suitable finishing tool to eliminate trapped air and ensure proper contact with the joint surfaces. The final surface should be finished with a slightly concave profile for optimal performance. Moistened fingers should not be used for tooling the sealant.

PACKAGING

ASMACRYL 47 PRO is available in
280 ml Plastic Cartridge (**24 Cartridges / Carton**)

CLEAN UP

Clean all the equipment immediately with warm water

STORAGE & SHELF LIFE

ASMACRYL 47 PRO Store in cool place under cover, out of direct sunlight and protect from extreme temperatures. In tropical climate the product must be stored in air – conditioned environment (<25° C). The shelf life is up to 12 months in unopened conditions if stored as per guidelines.



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COVERAGE RATE

The approximate linear meter sealant consumption per liter can be estimated from the following formula:

$$\frac{W \times D}{1000}$$

= Sealant Consumption per linear meter per liter.

Where: W = Joint Width (mm), D = Joint Depth (mm)

Joint Size in mm	Liters/meter Run	280 ml/Cartridge meter run
4x4	0.016	17.50
6 x 6	0.036	7.77
10 x 10	0.100	2.80
12 x 12	0.144	1.90

QUALITY & CARE

All products originating from **ANCHOR ALLIED FACTORY LLC** Sharjah, UAE. facility is manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, and ISO 14001.

HEALTH & SAFETY

Protective clothing such as gloves and goggles should be worn while applying **ASMCRYL 47 PRO**. In case the material splashes to the skin or eyes wash the same with fresh water immediately.

TECHNICAL SPECIFICATIONS

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
Color	White, Grey, Black, Beige.	—
Consistency	Smooth Paste (Non Sag)	ASTMC 920 -18/ASTM C 639 -15
Temperature Resistance	-50°C — +150°C	—
Application Temperature	+5°C — +40°C	—
Density, g/m ³	1.65 ±0.02	ASTM D 1475-13 (2020)
Skin Over Time	~10 min (RT)	ASTM C 920 -18 / ASTM C 679 - 15
Tack Free Time	2 hours	ASTM C 679 – 15 (2022)
Curing rate	> 2 mm/day (23°C and 50% R.H)	—
Hardness Shore A	>32	ASTM D 2240 -15 (2021)
Extrusion Rate	30 ml / min	ASTM C 1183 /C1183M – 13 (2024)
Adhesion & Cohesion,	Glass:1.12, Aluminium:1.03, Concrete: 1.28, N/mm ²	ASTMC 794 -18 (2022)
VOC	<1	USEPA
Joint Movement Capabilities	± 20 %	ASTM C 719 (2022)
Elongation at Break	≥ 200 %	ASTM D 412 -16 (2021)
E 100 Modulus	≥0.50 N/mm ²	ASTM D 412
Tensile Strength	>1.20 N/mm ²	ASTM D 412 – 16 (2021)
Tear Resistance	>12 N	ASTM D 624 – 00 (2020)

Properties listed are based on laboratory-controlled tests. All values given are subject to 5-10% tolerance.

CERTIFICATIONS



Regional Compliance Notice

Please note that regulatory requirements may vary from one region to another. As a result, product information and recommended applications may differ between countries. For accurate and up-to-date details on product specifications and approved uses, and for any technical guidance, please contact ANCHOR ALLIED FACTORY L.L.C. SHARJAH, UAE Technical Department.

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